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Constructing virtual worlds using dense stereo

P.J. Besl, J. Fan, P.W. Rander, ... Computer Vision, 1993. ... 2002 - [ieeeexplore.ieee.org](#)
 ... 2 Related Work **Creating 3D models** using range **images** has attracted some attention in the literature [3][6][7][24]. ... The **panorama** construction essentially provides calibration, so synthesized **images** are geometrically correct, except possibly for scale. 3 Page 2, ...

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Visualisation in architecture, engineering and construction (AEC)

D. Bourdaghien, H. Sharif, J. Whyte, ... Automation in construction, 2005 - Elsevier
 ... Fig. 1. From 2D drawing to 3D **panorama**. View Within Article. ... When **creating 3D models**, each method has its own advantages and disadvantages. ... Rendered **images** are useful for visualizing materials and their appearance. ...

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M. Levoy, Computer, 2006 - [ieeeexplore.ieee.org](#)
 ... the computer graphics field 10 years ago, 3.4 researchers have used them to fly around scenes without **creating 3D models** of them ... To minimize these distortions, two or more different projections can be combined in a single **image**. This produces a multiperspective **panorama**. ...

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 ... For relatively simple objects, structures, or environments, most existing methods are capable of successfully **creating 3D models** of them ... Although this site may lend itself to **image-based** rendering (IBR) visualization or **panoramas**, the many depth ...

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L. Zhang, G. Dugas-Phénot, ... The Journal of ..., 2002 - [intensity.wiley.com](#)
 ... of researchers has shown that moderate user-model interaction is highly effective in **creating 3D models** from a ... Shum et al. 10 generated similar models from **panoramas** using a constraint system based ... scenes using collections of simple primitives from one or more **images**, also with ...

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S. El-Hakim, Proceedings of the XIX IPPr68, ..., 2010 - [nrc-cnrc.gc.ca](#)
 ... The process of **creating 3D models** from real scenes has a few well-known steps [figure 1]: data collection, data registration, and modeling (geometry ... For example, **panoramas** [Szelski et al., 1997 and Chen, 1995], light fields [Levoy et al., 1996], and **image-based** rendering ...

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V. Stokich, ... Journal of Cultural Heritage, 2010 - Elsevier
 ... Restitution provides a way of **creating 3D models** based on analysis of existing 2D **images** ... of methods, such as terrestrial and aerial photogrammetry, historical **image** restitution, analysis ... For definite representation, **panorama** views of 3D models were extracted for each phase ...

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Creating compact architectural models by geo-registering image collections

R. Grzeszczuk, J. Kruse, ..., 2009 - IEEE 12th, ..., 2010 - [ieeeexplore.ieee.org](#)
 ... Instead of **creating 3D models**, they focus on novel ways to explore and navigate the **image** collec. ... to make them match the overall mean and standard deviation of the **image** collection. Other techniques used in **panorama** stitching such as graph-cut and Poisson blending could ...

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T. Theimer, Virtual Systems and Multimedia, 2001, ..., 2002 - [ieeeexplore.ieee.org](#)
 ... a "panoramic photo composer" which offers a much more flexible approach to **panorama** composition than ... Alternatively a cylindrical background **image** may be placed on it ... When **creating 3D models** from photos, a dedicated **image** modelling package such as Tealviz ...

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R. Pothier, K. Schreiber, ... Recording, modeling and ..., 2006 - [books.google.com](#)
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